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RACE Statute for form 1449/PTO

Sheet 1

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known				
Application Number	10/603,082	_		
Filing Date	06/25/2003			
First Named Inventor	Zaiqian HU			
Art Unit	3743			
Examiner Name	McKinnon			
Attorney Docket Number	RUS0120	7		

			U.S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number	MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	L	Number-Kind Code ^{2 (/ trans)}			Figures Appear
M		^{US-} 2,037,845	04/21/1936	F.M.Young	
ym		^{US-} 2,505,790	05/02/1950	E.H.Panthofer	
14		US- 3,300,135	01/24/1967	G.E. Slater et al.	
1		^{US-} 3,554,440	01/12/1971	Austin et al.	·
	i	^{US-} 3,818,981	06/25/1974	Caldwell	
		US- 3,920,067	11/18/1975	Schindler et al.	
		US- 4,669,532	06/02/1987	Tejima et al.	
		US- 5,036,911	08/06/1991	Guntly et al.	
		US- 5,526,873	06/18/1996	Marsais et al.	
		US- 5,575,329	11/19/1996	So et al.	·
		us- 6,082,447	07/04/2000	Insalaco et al.	<u> </u>
		^{US-} 6,119,340	09/19/2000	Insalaco et al.	
		US- 6,158,500	12/12/2000	Heine	
. 7		US- 6,161,614	12/19/2000	Woodull et al.	
		us- 6,253,837	07/03/2001	Seiler et al.	
7/11		us- 6,394,176	05/28/2002	Marsais	
/		US			
	 	US-			
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		FORE	IGN PATENT DOCL	JMENTS		
	Cite No.	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	_
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111		EP 085 1198 B1	06/26/2003	Behr GmbH & Co		
SM		EP 085 1198 A2	01/01/1998	Behr GmbH & Co		
MM		EP 078 9213 A2	08/13/1997	Behr GmbH & Co		L
m		EP 100 3005 A1	05/24/2000	Valeo thermique my	eu	
7					<u> </u>	<u>L</u>
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Examiner Signature Mell Whitein Date Considered 9-23-04

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Translation is attached.

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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
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Complete if Known

Application Number 10/603,082

Filing Date 06/25/2003

First Named Inventor Zaiqian HU

Art Unit 3743

Examiner Name McKinnon

Attorney Docket Number **RUS0120** Sheet 2 of . 4 U. S. PATENT DOCUMENTS Name of Patentee or Examiner **Document Number Publication Oate** Pages, Columns, Lines, Where MM-DD-YYYY Applicant of Cited Document Relevant Passages or Relevant Initials* Figures Appear Number-Kind Code^{2 of Incomp} US-US-US. US-US-US. US US-US-US-US-IJŠ-US-US-ŪS-บร

		FORE	IGN PATENT DOCL	JMENTS		
Examiner Cite Initials* No.*	Cite No.	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
	·	Country Code ³ "Number ⁴ "Kind Code ³ (if known)	MM-DD-YYYY		Or Relevant Figures Appear	Τ°
THY		JP 7-17964	04/26/1995	Zexel Corp.		
MA		JP 3-79085	08/12/1991			
m		JP 4-369396	12/22/1992			
10		DE 195 36 116	04/03/1997	Behr GmbH & Co.		
M		JP 63197887	08/16/1988	Matsushita Refr		
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Examiner

Translation is attached.

Signature Considered Considered Whether or not citation is in conformance with MPEP 609. Draw line through citation in the conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that Issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language

Date

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Sheet 3

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known				
Application Number	10/603,082			
Filing Date	06/25/2003			
First Named Inventor	Zaiqian HU			
Art Unit	3743			
Examiner Name	McKinnon			
Attorney Docket Number	RUS0120			

Examiner	Cite	Document Number	Publication Date	OCUMENTS Name of Patentee or	Pages, Columns, Lines, Where
nitials*	Cite No. ¹	Number-Kind Code ^{2 (F known)}	MIM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
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Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	١.
ALA		Country Codo ³ Number ⁴ "Kind Code ⁵ (if known)	MM-DD-YYYY		Or Relevant Figures Appear	To
M		JP 2001174190	06/29/2001	Denso Corp.		
1109		JP 02230091	09/12/1990	Hitachi Ltd.		
7.19.		JP 59205591	11/21/1984	Nippon Denso Co		L
9M		JP 63197887	08/16/1988			
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Examiner Signature

Signature

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	Substitute for form 1449/PTO		Complete if Known		
Substitu	te for form 1448/P10	,		Application Number	10/603,082
INF	ORMATIO	N DIS	CLOSURE	Filing Date	06/25/2003
STA	STATEMENT BY APPLICANT			First Named Inventor	Zaiqian HU
				Art Unit	3743
	(Use as many sheets as necessary)			Examiner Name	McKinnon
Sheet	4	of	4	Attorney Docket Number	RUS0120

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
M		International search report for application Serial No.PCT/US03/13942 dated August 29,2003	
M		Partial international serch report for application Serial No PCT/US03/13955 dated August 22,2003	
pun		International search report for application Serial No.PCT/US03/13254	
M		Copending application Serial No. 60/355,903 filed February 11, 2002	
101		Copending application Serial No.10/140,899 filed May 7, 2002	
M		Copending PCT application Serial No. PCT/US03/03985	
M		Patent application Ser No.10/425,348 filed April 30, 2003	
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Date Examiner Considered *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in gonformance and not considered. Include copy of this form with next communication to applicant.

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1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

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